	Application No.	Applicant(s)	
Notice of Allowshills	10/621,231	SMITH ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Sandra M. Nolan-Rayford	1772	

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PRIMARY EXAMINER U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. J. Daniel Lykins (513/583.1965) on 14 June 2005The application has been amended as follows:

In the Drawings

The cover sheet, entitled "Cover Sheet for TWO Sheets of Drawings", sent with the 15 July 2003 drawings has been cancelled.

In the Specification

Page 1, under "RELATED APPLICATIONS", the first paragraph has been deleted and replaced with the following:

-- This application is a continuation-in-part (CIP) of U.S. SN. 09/951,091, filed September 13, 2001, now U.S. patent 6,652,937. Filed concurrently with this CIP is a second CIP of SN. 09/951,091, which CIP is U.S. SN. 10/621,230, entitled "Low Permeation Nylon Tube with Aluminum Barrier Layer". --

Remarks

The drawing cover sheet has been cancelled. The references to the parent case and the concurrently filed CIP have been updated.

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REASONS FOR ALLOWANCE

3. The following is a statement of reasons for allowing claims 1-10 and 13-18:

4. The base claims, i.e., claims 1 and 18, can be summarized as follows:

Claim 1 covers a fuel transport tube consisting of:

-an inner conductive high density polyethylene (HDPE) tubular structure having inner and outer surfaces,

-an aluminum (AI) barrier layer having inner and outer surfaces and being disposed on the outer surface of the HDPE structure,

-an outer non-conductive polymeric tubular structure having inner and outer surfaces disposed on the outer surface of the Al layer, with the non-conductive tubular structure being a thermoplastic or a rubber selected from the group consisting of: chlorinated polyethylene, chlorosulfonated polyethylene, styrene-butadiene rubber, butadiene-nitrile rubber, nitrile-polyvinyl chloride, EPDM, neoprene, vinyl (ethylene-acrylic rubber), acrylic rubber, epichlorohydrin rubber, copolymers of epichlorohydrin and ethylene oxide, polychloroprene rubber, polyvinyl chloride, ethylene-propylene copolymers, ultra high molecular weight polyethylene, high density polyethylene, chlorobutyl rubber, and blends thereof; and

- -a tie layer between at least one of:
- (1) the outer surface of said conductive inner high density polyethylene tubular structure and the inner surface of the Al layer, and
- (2) the outer surface of the Al layer and the inner surface of the non-conductive polymeric structure.

Claim 18 covers a fuel transport tube consisting of:

- -an inner conductive HDPE tubular structure containing 2 to 20% carbon as fibers of fibrils, said structure having a thickness of about 0.2 to 1.5 mm;
 - -a first anhydride-modified linear low density polyethylene (LLDPE) tie layer,
 - -an Al barrier layer having a thickness of about 0.02 to 1.5 mm;
 - -a second anhydride-modified LLDPE tie layer, and
- -an outer non-conductive HDPE tubular structure with a thickness of about 0.25 to 1.5 mm.
- 5. The prior art of record fails to teach or suggest fuel transport tubes having all of the features of claim 1 or claim 18.
- 6. The 35 USC 103 rejection of claims 1-1 and 13-18 based on Kertesz, Sadler and Shida has been withdrawn in view of the amendments and arguments presented in the two amendments submitted after the final rejection.

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7. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication should be addressed to Sandra M.

Nolan-Rayford, at telephone number 571/272-1495. She can be reached Monday

through Thursday, from 6:30 am to 4:00 pm, ET.

If attempts to reach the examiner are unsuccessful, contact her supervisor,

Harold Pyon, at 571/272-1498.

The fax number for patent application documents is 703/872-9306.

S. M. Nolon-Rayford 6-14-05

Primary Examiner

Technology Center 1700

10621231(20050614)

SANDRA NOLAN RAYFORD PRIMARY EXAMINER Concelled by Exoreris Amerdment.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Christopher W. Smith, et al.
Serial No.: Pending	Date Filed: Herewith
Title of Application:	LOW PERMEATION HIGH DENSITY POLYETHYLENE TUBE WITH ALUMINUM BARRIER LAYER
Attorney Docket No.:	00-20b

Assistant Commissioner for Patents Washington, D.C. 20231

Cover Sheet for TWO Sheets of Drawings